as roaming between two areas consisting of a plurality of radio cells.

Usually this check on a suitable radio field illumination or radio coverage is performed manually in a multicellular mobile radio system with a metering unit developed specifically for the purpose. To put it more precisely, measuring crews use a mobile measuring device to at least make spot checks on the area to be covered by the multicellular mobile radio system, and if radio coverage is absent or is insufficient a correction of the mobile radio system is undertaken. Such a check must be repeated especially after changes to building or expansion of the multicellular mobile radio system in order to guarantee a sufficient radio field illumination, but this generates extraordinarily high costs.

A method is known from EP 1 398 910 A2 for automatic detection of a radio coverage in a multicellular mobile radio system. In this method a plurality of base stations are connected to a control unit, in which case all base stations are switched into a receive operating mode and a relevant field strength of locally adjacent base stations is measured. The measured field strength data is subsequently evaluated in an evaluation unit.

The underlying object of the invention is thus to create a method and an arrangement for detecting a radio coverage which is especially cost effective.

In accordance with the invention this object is achieved with regard to the method by the measures of claim 1 and with regard to the arrangement by the features of claim 10.

Especially by using a multicellular mobile radio system with a plurality of base stations, which are connected to an

evaluation unit, whereby all base stations are switched consecutively into a measuring operating mode, a relevant field strength of locally adjacent base stations operating in a normal mode of operation is measured, and the measured field strength data is subsequently evaluated by the evaluation unit, can a real radio field illumination or radio coverage be detected with sufficient accuracy and minimum costs, especially without deployment of personnel.